PDR RID Report

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Review   FOS
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Priority 2

Section	Page	Figure Table

Category Name Requirements   **Actionee**   HAIS

Sub Category

Subject Configuration control requirements

Description of Problem or Suggestion:

The PDR did not address configuration control. The design presented provides for distribution of large amounts of data and information within the EOS and instrument users. If these users can store information locally on their work stations, and it appears that they can, it becomes necessary to ensure that they use the latest information available. For example, telemetry decommutation information distributed to the user station. How will the FOS ensure that the current version of the decomm. data resides on the workstation prior to sending telemetry packets. Command procedures provide another example. How will FOS control command procedures that are produced on user workstations.

Originator's Recommendation

Present your plan for the data which requires configuration control by the FOS and how the FOS will provide this control.

GSFC Response by: **GSFC Response Date**

HAIS Response by: D. Herring   **HAIS Schedule**   1/20/95

HAIS R. E.   A. Miller   **HAIS Response Date**   1/20/95

Configuration control is significant to the FOS in several areas. The application software is kept under strict configuration control by the Software Maintenance team using a commercial configuration management tool ClearCase. This team will ensure that modifications and enhancements to the software are fully tested and verified prior to it being moved into the operational area.

Database files (i.e., telemetry and command definitions, constraint and activity definitions) are also kept under strict configuration control so that only the authorized Database Administrator can make changes to the database definitions. The Database Administrator generates the operational database files that are used by the application software -- e.g., decom software uses the telemetry database definitions files to perform its processing. Version identifiers and dates are associated with each database file to validate and confirm that the correct files are being used.

Similarly, command procedures, which are defined by the operations staff for nominal, contingency, and emergency commanding, are kept under strict configuration control Thus, only authorized operations staff can add, modify, and/or delete functions in the procedures.

The approach to performing configuration control for the database definitions and command procedures is representative of the configuration control principles that the FOS will use to ensure the integrity of its system for the Flight Operations Team.

For further information, reference the response to RID #52.

Status   **Closed**   **Date Closed** **2/1/95**   **Sponsor**   **Johns**

****** Attachment if any ******